

CSONGOR, Eva

Inelastic dispersion of $Po\alpha$ -particles on Li atomic nuclei.
ATOMKI kozl 2 no. 3: 195-198 '60.

1. Kiserleti Fizikai Intezet, Debrecen.

CSONGOR, Eva

Corena voltage stabilizer. ATOMKI közl 3 no. 1:55-57 '61.

1. Kísérleti Fizikai Intézet, Debrecen.

CSONGOR, Eva

Nuclear reactions produced by the alfa rays of polonium.
Fiz szemle 15 no.12:369-373 D '64.

1. Institute of Experimental Physics of Lajos Kossuth University,
Debrecen.

CSONGOR, Gyozo (Szeged)

Leontodons of the Hungarian Alföld. Magy biol Debrecen 2:211-214
'52 [publ. '54].

KELENTEY, B.; FOLDES, I.; LIPAK, J.; KOCSAR, L.; CSONGOR, J.

Carbonic anhydrase inhibition and changes in the permeability of the blood--brain--cerebrospinal fluid--aqueous barrier. Acta physiol. hung. 20 no.1:81-88 '61.

1. Institute of Pharmacology, Institute of Anatomy, Histology and Embryology and Institute of Pathophysiology, Medical University, Debrecen.

(ACETAZOLAMIDE pharmacology)
(HEMATO-ENCEPHALIC BARRIER pharmacology)

CSABA, Bela; BEREGSZASZI, Gyula; KOVER, Andras; CSONGOR, Jozsef; SZILAGYI, Tibor

The histamine content of guinea pig ileum in Schultz-Dale reaction.
Acta physiol Hung 20 no.2:165-170 '61.

1. Institute of Pathophysiology and Institute of Physiology, Medical
University, Debrecen.

SZABO, E.; CSONGOR, J.; CSABA, B.; KOCSAR, L.; KESZTYUS, L.

Distribution of coli-endotoxin in the rabbit organism in Shwartzman's reaction. Acta microbiol. acad. sci. hung. 8 no.3:275-280 '61.

1. Pathophysiologisches Institut der Medizinischen Universität, Debrecen.
(ALLERGY exper) (ESCHERICHIA COLI)
(TOXINS AND ANTITOXINS)

BAN, Andras, dr.; KOCSAR, Laszlo, dr.; KACSKO, Janos, dr.; DEMENY, Peter, dr.;
CSONGOR, Jozsef; SIRO, A. Bela, dr.

Effect of Pyrexal -- a bacterial pyrogen -- on iron in the blood
serum. Magy. Belorv. arch. 15 no.3:81-84 Je '62.

1. Debreceni Orvostudományi Egyetem I. Belklinika (Prof. Fernet Bela
dr.) es Korelettani Intezete (Prof. Kesztyus Lorand dr.).
(IRON blood) (PYROGENS pharmacol)

DAMJANOVICH, S.; SZABOLCS, M.; CSONGOR, J.; SZATAI, I.; DOLHAY, A.

Radiation sensitizing effect of p-chloromercuribenzoate. Acta physiol.
acad. sci. hung. 22 no.2:195-199 '62.

1. Institute of Pathophysiology, Central Laboratory, and First
Department of Surgery, Medical University, Debrecen.
(BENZOATES) (RADIATION EFFECTS)

CSABA, Bela; SZILAGYI, Tibor; KOVER, Andras; CSONGOR, Jozsef

Data on the mechanism of action of 48/80. Kiserl. orvostud.
15 no.5:457-464 O '63.

1. Debreceni Orvostudományi Egyetem Kísérleti és Elettani
Intézete.

(SYMPATHOMIMETICS) (BLOOD PRESSURE DETERMINATION)
(HISTAMINE LIBERATION) (ACETYLCHOLINE)
(HYPOTENSION, CONTROLLED)

CSABA, B.; SZILAGYI, T.; KOVER, A.; CSONGOR, J.

Data on the mode of action of 48/80. Acta physiol. acad.
sci. hung. 29 no.4:397-405 '63.

1. Institute of Pathophysiology and Institute of Physiology,
Medical University, Debrecen.

(GUINEA PIGS) (HISTAMINE) (DOGS)
(MUSCLES, SMOOTH) (HEART) (ACETYLCHOLINE)
(HEXAMETHONIUM COMPOUNDS) (ATROPINE)
(MOVEMENT DISORDERS) (BLOOD PRESSURE)
(HISTAMINE LIBERATION) (KYMOGRAPHY)
(BLOOD CHEMICAL ANALYSIS)

HUNGARY

ZSIGMOND, Klara, NAGY, Laszlo, KAPUSZ, Nandor, BEKESI, Istvan, CSONGOR, Jozsef, CSABA, Bela; Medical University of Debrecen, Institutes of Forensic Medicine, Pharmacology and Pathophysiology (Debreceni Orvostudományi Egyetem, Igazságügyi Orvostani, Gyógyszertani és Kóreltani Intézet).

"Study of the Distribution and Excretional Relations of 5-Ethyl-5-Isoamyl-Barbiturate-6- ^{14}C (Dorlotyn)."

Budapest, Kiserletes Orvostudomány, Vol XVIII, No 2, Apr 66, pages 163-168.

Abstract: [Authors' Hungarian summary modified] The distribution of Dorlotyn and Amytal (henceforth either: D) and their excretion in the body fluids was studied in dogs and rats as well as in cases of human poisoning. Labelled D (Dx) and Na-isoamyl-ethyl-barbituricum (NaDx) were used for the experiments. The possibilities of direct extraction with chloroform from the individual organs were also studied. In the course of the experiments, it was established that D is very rapidly decomposed in the organism and its decomposition products are mostly found in the urine. Since the decomposition products will give no, or only an uncertain Zwicker-Bodendorf reaction, paper chromatographic tests must also be carried out in cases of poisoning since the decomposition products have known Rf values. Decomposition products of D were determined successfully in human urine samples as well by means of the paper chromatographic test. The aim of further experiments will be to study the changes in D level as a function of time in the various body fluids. All 8 references are Western.

KELENTY, B.; FOLDES, I.; LIPAK, J.; ~~CHONGOR, J.~~

Effect of heparin on the hemato-encephalic barrier. Kiserl. orvostud.
16 no.4:363-369 Ag '64.

1. Debreceni Orvostudományi Egyetem Gyógyszertani Intézete, Anatómiai
Intézete és Korelátani Intézete.

SZABO, Denes; CSONGOR, Rezsó

Experiences with the design and construction of the gas
convector heating system at the Alkotás Street apartment
project. Épületgépészet 12 no.1/2:42-45 Mr '63.

BRATAN, Maria, okleveles mernok; CSONGRADY, Kornel, okleveles mernok;
ZSUFFA, Istvan, dr., okleveles mernok, hidrologus mernok

Hydrologic conditions of floods and inland waters in Central
Dunantul. Vizugyi kozl no.3:300-319 '63.

1. Közepdunantuli Vizugyi Igazgatosag.

CSONGRADY, Miklosne

"Weed control by herbicides" by [Dr] Gabor Ubrizsy. Reviewed by
Mrs. Miklos Gsongrady. Term tud kozl 7 no.2:94 F '63.

CSONGRÁDY, Z.; EROSS, E.

Data on the applicability of the Frost-Lorenz method. p. 133.
ELEIMEZESI IPAR. (mezogazdasági Ipari Tudományos Egyesület) Budapest.
Vol. 10, no. 5, May 1956.

SOURCE: East European Accessions List (EEAL) Library of Congress
Vol. 5, no. 8, August 1956

HUNGARY/Chemical Technology. Chemical Products
and Their Applications. Food Industry. H

Abs Jour : Ref Zhur-Khiniya, No 6, 1959, 21454

Author : Eross, Gyulane; Csongrady, Zoltan
Inst : -
Title : Use of Triphenyltetrazole in the Micro-
biology of Milk.

Orig Pub : Tejipar, 1958, jan.-febr., 4-11

Abstract : A review is given. Bibliography, 18 titles.

Card : 1/1

H-134

CSONKA, Bela

Adapter for the URH receivers of CCIR standard and for the OIRT FM
band reception. Radiotechnika 10 no.2:49-50 F '60.

CSONKA, Daniel

Correction of toothing of gears made through trimming.
Gep 14 no.8:310-315 Ag '62.

1. Budapesti Muszaki Egyetem Gepelenek Tanszeke.

HUNGARY / Virology. Human and Animal Viruses. Influenza Virus. E

Abs Jour: Ref Zhur-Biol., No 2, 1959, 5332.

Author : Koch, A.; Csonka, E.
Inst : Hungarian Academy of Sciences.
Title : Effects of Formaldehyde on Influenza Virus.
I. Effects on the Hemagglutinating Activity of the Virus.

Orig Pub: Acta microbiol. Acad. sci. hung., 1957, 4,
No 3, 357-361.

Abstract: The effects of temperature, pH and concentration of formaldehyde and virus upon the process of inactivation of hemagglutinating activity of the influenza virus type A' were studied. At 40, the inactivation proceeded slowly; it was accel-

Card 1/3

HUNGARY / Virology. Human and Animal Viruses. Influenza Virus. E

Abs Jour: Ref Zhur-Biol., No 2, 1959, 5332.

Abstract: orated at 20° and set on rapidly at 37°. The increase of pH towards alkalinity (from 6.0 to 8.0) accelerated the inactivation process. At pH 8.0, the inactivation proceeded most rapidly. At pH 8.0 and 37°, the inactivation was not observed if the formaldehyde concentration was less than 0.1%. The fluctuations in the concentration of virus had no essential effect upon the time required for its complete inactivation. If during the first hours of inactivation a pH of 8.0 was decreased to 6.5, then the inactivation was inhibited and "reactivation" of a part of the apparently inactivated virus was also observed. At the same time, its ability for adsorption and elution was also preserved. If,

Card 2/3

HUNGARY / Virology. Human and Animal Viruses. Influenza Virus. E

Abs Jour: Ref Zhur-Biol., No 2, 1959, 5332.

Abstract: on the other hand, the decrease of pH was effected after a more prolonged period of time, then the inactivation process of the virus became irreversible. -- A. G. Bukrinskaya.

Card 3/3

KOCH, A.; CSONKA, B.

Effects of formaldehyde on influenza virus. II. Effects on the infectivity of the virus. Acta microb. hung. 5 no.3:311-316 1958.

1. State Institute of Hygiene, Budapest.

(INFLUENZA VIRUSES, eff. of drugs on
formaldehyde on infectivity of viruses, cond. & mode of in-
activation)

(FORMALDEHYDE, eff.
on infectivity of influenza viruses, cond. & mode of inac-
tivation)

CSONKA, E.; KOCH, A.

Effects of formaldehyde on influenza virus. III. Effects on the virus as an antigen. Acta microb. 9 no.1:89-96 '62.

1. State Institute of Hygiene, Budapest (Director: T. Bakacs).
(FORMALDEHYDE pharmacology) (INFLUENZA VIRUSES pharmacology)

CSONKA, Eva; RUZICKA, P.

Examination of the susceptibility to virus infection of hetero-
poid monkey-kidney cell strains. Acta microbiol. acad. sci.
hung. 11 no.3:299-307 '64/65

1. State Institute of Hygiene (Director: T. Bakacs), Budapest.

CSONKA, Ferenc

With the glider "Siraly" over the Central Mountains of Erdely.
Repules 13 no.6:12 Je '60.

1. Aranykoszorus pilota.

CSONKA, Ferenc, repulo oktato

Some strength problems relating to cloud flight. Repules 17
no.4: 14-15 Ap'64

1. MAV repulo klub.

BALLO, Janos (Budapest); CSONKA, Kalman (Budapest); CSUHAI, Denes (Budapest)

Forum of innovators. Ujit lap 15 no.17:30 10 S '63.

CSONKA, Jozsef, foelado; VAVRO, Istvan, dr.

Some lessons from an investigation. Munka 14 no.8:16-17 Ag '64.

1. Division of Social Statistics, Central Statistical Office, Budapest (for Csonka). 2. Head, Division of Social Statistics, Central Statistical Office, Budapest (for Vavro).

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000									
101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119									

CSOMKA, P.

Modification of Barta's iterative process for determining the critical pressure force; excerpts from an article. p. 363.
(KOZLENYI, Vol. 21, no. 1/h, 1957, Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, no. 12, Dec. 1957.
Uncl.

CSONKA, P.

Numerical method for calculating torsional stress; excerpts from an article.
Tr. from the French. p. 365.
(KOZLEMESEI, Vol. 21, no. 1/4, 1957, Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, no. 12, Dec. 1957.
Uncl.

CHONKA. P. [Csonka, P.] (Budapesht).

Rapid method for designing many-storied frame constructions [in
Ukrainian with summaries in Russian and English]. Prykl. mekh.
(MIRA 11:4)
4 no.1:47-54 '58.

1. Budapeshts'kyy tekhnichnyi universitet inzheneriv budivnitstva i
transportu.
(Framing (Building))

3

4940. Csontos, P., Stiffness characteristics of rigid Warren girders, *Acta Techn. Hung. Budapest* 20, 1/2, 103-118, 1958.

Paper presents engineering formulas for uncoupled average rigidities of uniform, rigid-jointed Warren trusses under axial load, pure bending in plane of truss, pure bending out of plane, and pure torsion. Problems are closely related to secondary stress analysis of trusses and three-dimensional frame analysis, which now are well understood by engineers. End effects and warping restraints are not considered. Paper is one of a series by author in which equivalent rigidities of various forms of uniform, rigid-jointed, parallel-chord trusses are calculated.

DC
1/1

26

J. E. Goldberg, USA

Adp

CSONKA, P.

4941. Csonka, P. Stiffness characteristics of Vierendeel girders with parallel chords, *Acta Techn. Hung. Budapest* 20, 3/4, 251-260, 1958.

Paper presents engineering formulas for uncoupled average rigidities of uniform Vierendeel girders under axial load, pure bending in plane of girder, pure bending out of plane, and pure torsion without internal or external warping restraint. Joints are treated as rigid, but dimensions of joints are taken into account only in the first three cases. End effects are not considered and, therefore, formulas may be valid only for regions remote from ends. Author asserts that formulas have application in analysis of structures in which Vierendeel girder forms an element, since formulas permit replacement of girder by equivalent bar.

J. E. Goldberg, USA

CSONKA, P.

Substitution method for the approximate analysis of stability problems of plane framed trusses; excerpts from an article. p. 23.

Magyar Tudományos Akadémia. Műszaki Tudományok Osztálya. KÖZLEMÉNYEK.
Budapest, Hungary. Vol. 23, no. 1/2, 1958.

Monthly list of East European Accessions (EEAI) LC, vol. 8, no. 2, July, 1959.

Uncl.

CS ONKA, P.

Pure Bending of the multiple-latticed parallel-flanged trusses; excerpts from an article. p. 27.

Magyar Tudomanyos Akademia. Muszaki Tudomanyok Osatalya. KOSLEMENYEL.
Budapest, Hungary. Vol. 23, no. 1/2, 1958.

Monthly list of East European Accessions (EEAI) LC, vol. 8, no. 2, July, 1959.

Uncl.

P. CSONKA.

"Simplified analysis of multistory frames." p. 177 (ACTA TECHNICA ACADEMIAE
SCIENTIARUM HUNGARICAE, Vol 6, no. 1/2, 1953, Budapest, Hungary)

SO: Monthly List of East European Accessions, L.C., Vol. 2 No. 7, July 1953, Uncl.

CSONKA, P.

Mathematical Reviews
Vol. 14 No. 8
Sept. 1953
Mechanics.

Csonka, P. Beitrag zur Theorie der elastischen Kreiszylinderschale. Acta Tech. Acad. Sci. Hungar. 6, 167-176 (1953). (Russian summary)

The problem of bending of an elastic cylindrical shell of constant thickness was solved approximately by A. A. Jakobsen by means of an iterative method [Bauingenieur 20, 394-405 (1939)]. In this paper an exact solution is found by a stress function $F(x, \varphi)$, whose derivatives express the components of displacements and stresses. The stress function has to satisfy a linear differential equation of the eighth order in x and φ . From the exact solution approximate formulas can be derived, which are in closer agreement with the exact solution than the iterative solution of Jakobsen. In the author's opinion the method represented renders the method of iteration superfluous.

R. Gran Olsson.

CSONKA, P.

Mathematical Reviews
Vol. 14 No.9
October 1963
Mechanics

①
Csonka, P. Ein Lösungssystem der Grundgleichungen der Elastizitätstheorie. Acta Tech. Acad. Sci. Hungar. 2, 487-490 (1952). (Russian summary)

An infinite series representation of the displacements of an isotropic, elastic body is given. The terms of the series contain sets of arbitrary constants as well as functions. The latter are termwise connected by recurrence relations. The terms can be split into translations and rotation. The author shows that if the series converge, the conditions placed on the functions are sufficient to yield a solution of the Navier equations. G. H. Handelman (Pittsburgh, Pa.).

CSONKA, P:

"Theory of Plastic Longitudinal Bending." p. 47, Budapest, Vol. 5, no. 1, 1952.

SO: East European Accessions List, Vol. 3, No. 9, September 1954, Lib. of Congress

CSONKA, P.

"Analysis of braced power line towers with rigid tops." Acta Technica, Budapest, Vol. 6, No. 3/4, 1953, p. 387.

SO: Eastern European Accessions List, Vol. 3, No. 11, Nov. 1954, L.C.

CSONFA, P.

"Torsion Analysis of Braced Transmission Towers with Free Tops", P. 147.
(ACTA TECHNICA, Vol. 7, No. 2, 1953, Budapest, Hungary)

SO: Monthly List of East European Accessions, (EEAL), IG, Vol. 4,
No. 1, Jan. 1955, Uncl.

CSONKA, P.

3. Deformation of truncated pyramid frames (In English) — P. Csónka, (Acta Technica Academiae Scientiarum Hungaricae — Vol. 7, 1953, No. 3-4, pp. 465-475, 5 figs.)

The warping of the terminal surfaces of truncated pyramidal space frames is determined in simple torsion only and for the instance in which forces of equal magnitude act parallel to the axis of the frustum alternately in opposite senses upon one or the other terminal surface of the structure. For purposes of calculation the bars lying in the planes of the terminal surfaces are considered rigid and the warping of the terminal surfaces is characterized by the dislocation of the two contiguous corners in the direction of the axis of the pyramid. In case of simple torsion the deflection thus interpreted has the same value on both terminal surfaces. The formulae presented also afford the means for determining the warping of the terminal surfaces of prismatic space frames.

P. Cs.

CSONKA, P.

"Structural Analysis of Truncated Pyramid Frames." In English. p. 507. "Kossuth-prized Academicians of the Technical Section of the Hungarian Academy of Sciences." In English. p. 521. Index to v. 7, 1953 (ACTA TECHNICA, Vol. 7, No. 3/4, 1953) Budapest, Hungary.

50: Monthly List of East European Accessions, Library of Congress, Vol. 3, No. 4, April 1954. Unclassified.

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0-11 KA, P

Study of the role of the United States in the development of the

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...prismatic transmission
...denise Scientiaum ...
1-2, pp. 25-36, 57 figs. 1 tab.

This paper, in treating the torsion of rectangular prismatic truncated pyramidal frames, assumes that the base is attached to a rigid foundation block and that on the top and possibly at intermediate levels they are stiffened by horizontal cross bracing rigid in respect to coplanar forces. The tower sections between the cross bracings may have different tapers. The paper closely follows the previous treatment by the author on the determination of bar forces and the twisting of frames without cross bracing of truncated pyramidal frames without cross bracing. The method of solution is similar to the papers the author has published in the field of the torsion of frames. The method is introduced at a determinate level. The solution of these releasing forces equations similar to Castigliano's equations known from the theory of continuous beams is obtained. The method is illustrated by two numerical examples.

CSONKA, P.

HUNG.

63283. Csonka, P., Problems in statics (Statikai példatár) I, II, Budapest: Tankönyvkiadó, 1951, 1954, 200 pp., 212 pp., 17.50 Ft., 32 Ft.

The two volumes contain 340 problems covering plane and spatial problems concerning concurrent, parallel, and other types of forces; centroids; axial and shearing forces and bending moments in members with straight bent, and curved center lines, and, finally, forces in members of plane pin-jointed trusses. The books—claimed to be the first comprehensive collection of this type of problems printed in Hungarian—are divided into two parts: the first part contains the problems set, the second part, after a very brief recapitulation of the principles involved, gives full solutions for all the problems included. The explanations are clear and they should provide considerable help to students. For the great convenience of the reader, the problems set are fully reprinted in the solution section, saving continuous reference to the first part of the book.

Although the paper and the binding are not up to the standard to which users of English language texts are accustomed, the printing is good, the figures are well drawn, and the books are remarkably free from errors. G. Sved, Australia

JP

HUNG. 2329. Csakki, P., Buckling of tubes prestressed by internal
overpressure (in Hungarian). *Magyar Építész 2*, 1, 15-17,
1959

The bearing force starting the buckle of a centrally compressed bar may be calculated by the Engesser formula $P_{cr} = (\pi^2 E I) / l^2$. It can be demonstrated that this formula is also applicable, with minor modifications, to tubes in the enclosed space of which a positive pressure is formed by forcing in some kind of liquid. Owing to the internal positive pressure on the cross-section planes of the tube, a decrease occurs in the stress and simultaneously the shear modulus of the material of the tube will also change. If the modified value of the shear modulus is $E_s = E_0$, then the compressing force starting the buckle will be $P_{cr} = (\pi^2 E_s I) / l^2 + P_{int}$. In case of completely elastic tube material, $E_s = E_0$. Under such conditions the existence of the internal positive pressure exercises no influence whatever on the value of the bearing force $P_{cr} = P_{cr}$.
Courtesy of Hungarian Technical Abstracts

CSONKA, P.

HUNG.

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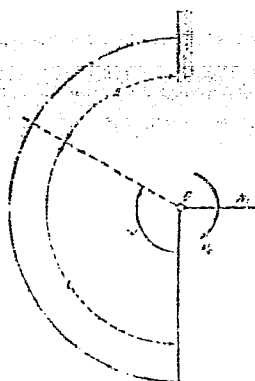
86, Elastic theory of the lining of double-walled insulated circular cylindrical shells under fluid pressure (In English) - P. Csonka, (Acta Technica Academiae Scientiarum Hungaricae Vol. 8, 1954, No. 3-4, pp 295-318, 14 figs., 1 tab.)

1/3

The paper analyzes the internal forces developing on the inner shell of double-walled cylindrical underground structures (tunnels, shelters) when the pressure of ground water seeping through the outer shell lifts the externally insulated inner shell and thrusts its crown against the outer cylindrical mantle. In the course of this investigation the surface of the internal cylindrical shell must be subdivided into two segments (I and II). On segment

over

P. Casnka

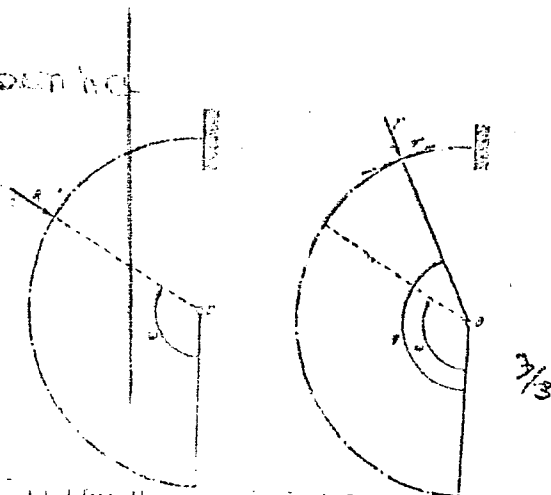


2/3

If the inner shell does not touch the outer mantle, along segment II the former adheres closely to the latter. These two segments are separated one from the other by generating lines defined by sector angle ω . Limit angle ω as well as the internal forces and reactions acting on the inner shell can be cal-

over

P. Crown line



calculated from the crown line. Resultants consist of concentrated forces H acting along the line of junction of segments I and II, and of distributed forces Z'' acting on segment II. In a specific case when limit angle ω attains the value of π or a higher value, the inner shell contacts the outer mantle along a single generatrix, the crown line only. In this case internal forces must be computed with slight changes from formulae valid for shell segment I.

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83. Buckling of stressed struts of heterogeneous materials (In English) -- P. Csonka. (Acta Technica Academiae Scientiarum Hungaricae -- Vol. 9, 1954, No. 3-4, pp. 391-404, 9 figs.)

The paper treats the buckling of centrally loaded struts with cross sections composed of elements of various materials. The individual elements may be in different states of stress. Such bars are conventional or pre-stressed reinforced columns or columns strengthened under load e.g. by a concrete enveloping shell, etc. The paper demonstrates that such bars cannot buckle merely under the effect of the stressing force and that their buckling load is of the same magnitude as it would be if their component parts were entirely homogeneous. For the critical buckling load the author derives a relation similar to that given by the Engesser-Shanley formula. This formula does not yield the critical load directly, before determining the latter the critical specific shortening must be determined either graphically or by calculation. In the former case the critical specific shortening and the critical load are given as the point of intersection of two curves. As an example the paper presents the determination of the buckling load of ordinary and of pre-stressed reinforced concrete columns for both cases first neglecting and then taking into consideration the effect of shrinking.

[Handwritten signature]

CSONKA, P

HUNG.

6. Stability of straight beams suspended at one point (In German) — P. Csonka. (Acta Technica Academiae Scientiarum Hungaricae — Vol. 8, 1954, No. 3—4, pp. 359—397, 4 figs.)

This paper analyzes the elastic stability of the rectilinear plank-shaped beam suspended at one point above its centre of gravity and subjected to load g uniformly distributed along the longitudinal axis. The paper demonstrates that the equilibrium of such beams may become unstable with increasing load, that is, the beam, the flat side of which had originally been vertical, may buckle laterally. The following approximating formula has been derived for the evenly distributed critical load: $g_{crit} =$

$$= \frac{20c EJ_2}{l^3} \text{ where } l = \text{half the length of the beam,}$$

$c =$ the distance of the point of suspension from the centre of gravity, $J_2 =$ the minimum moment of inertia of the beam cross section. If c is substantially greater than the depth of the beam, the more precise expression presented in the paper should be applied instead of the above approximating formula. Approaching the limit $c \rightarrow \infty$ the equation of condition of the possibility of buckling derived in this paper passes over into the formula of a cantilever beam, fixed at its centre or at one of its ends, as described in pertinent literature.

Handwritten signature/initials

CSONKA, P.

"Stability of beams with rectangular cross sections suspended at their ends."
(p. 79). ACTA TECHNICA (Magyar Tudományos Akadémia). Vol 8, no 1/2, 1954.

SO: East European Accessions List, Vol 3, No 8, Aug 1954.

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624.072.22

Stability of the End-
Supported Laterally Restrained
Beam (in German)

Acta. tech. hung.

10,31-42

1954

P. Csorba

Hungary

The beam, braced by three horizontal bars, is investigated for the case of a continuous, uniformly distributed load. It is shown that the equilibrium conditions cannot become unstable unless the beam depth-to-width ratio exceeds 10. Height of supports above the axis, and height of lateral constraining structure have no effect on the stability. (Bibl.4)

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CSONKA, P.

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235/116 62.07.4
Results on Shells of Revolution
 (In English)
 P. Csonka
 Acta Tech. Hung.
 10, 69-71
 1954
 Hungary
 An analysis of shells with translation surfaces over rectangular bases, the form and loading being symmetrical relative to two vertical planes, normal to each other. Condition of the application of the method of solution is that the load should be vertical and resolvable into two

components. One component is a rational whole function of one horizontal coordinate, the other a similar function of the other horizontal coordinate. Formulae are developed for the case when the specific loading is constant or increases as the square of the distance from the planes of symmetry. A numerical example is given. (Bibl.4)

CSONKA, P.

CSONKA, P. Hydraulic pressure in dynamic computation of the revetment wall of double-walled insulated cylindrical shells. p. 283.

Vol. 12, no. 1/4, 1954, Budapest, Hungary KOZLENYEI

SO: Monthly List of East European Accessions, (EFAL), LC, Vol. 5, No. 3,
March, 1956

CSONKA, P.

CSONKA, P. Stability of a rectangular cross-section beam suspended
at one point. p. 395.

Vol. 12, no. 1/4, 1954, Budapest, Hungary KOZLEMLYEI

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 3,
March, 1956

CSONKA, P.

Speical kind of shells of translation with two vertical planes of symmetry. In English. p. 231.

ACTA TECHNICA, Budapest, Vol. 11, no. 1/2, 1955.

SO: Monthly list of East European Accessions, (ESAL), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

CSNKAD

the bar, hinged at both ends, is
sections and the bar sections treated as elastic chains

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CSONKA, P.

Calotte shell over rectangular base. In English. p. 149. Vol 13, No 1/2, 1955.
ACTA MICROBIOLOGICA and ACTA TECHNICA. Budapest, Hungary.

So: Eastern European Accession. Vol 5, No 4, April 1956

CSONKA, P.

CSONKA, P. Deflection of bars made of heterogenous components subjected to stresses.

Vol. 15, No. 1/4, 1955.

KOZLEMENYEI.

TECHNOLOGY

Budapest, Hungary

So: East European Accession, Vol. 5, No. 5, May 1956

CSONKA, P.

CSONKA, P. Stability of a supporting beam hanging from two points and hindered from moving sideways. p. 139.

Vol. 15, No. 1/4, 1955.

KOZLEMENYEI.

TECHNOLOGY

Budapest, Hungary

So: East European Accession, Vol. 5, No. 5, May 1956

only are considered; the stress resultants are expressed in terms of a stress function (similar to Airy's). It is shown that, provided the load function is the sum of two power series—one in z , and one in \bar{z} , the problem can be solved in closed form so that

4 11

CSONKA, P.

Bar force of truncated pyramid lattice structures. p. 249.

Vol. 17, no. 3/4, 1955. KOZLE ENYEI. Budapest, Hungary.

So: Eastern European Accession. Vol 5, no. 4, April 1956

CSONKA, P.

Changes in form of truncated pyramid lattice structures. p. 259.
Vol. 17, no. 3/4, 1955. KOZLEHENEI. Budapest, Hungary.

So: Eastern European Accession. Vol 5, no. 4, April 1956

CSONKA, P.

Torsion of truncated pyramid lattice pylons stabilized by vertical bracing. p. 269.
Vol 17, no. 3/4, 1955. KOZLEMEYI. Budapest, Hungary.

So: Eastern European Accession. Vol 5, no. 4, April 1956

Deletion of this entry message on the core wall should be

CSONKA,
CSOKAN, P.

New trends in galvanotechnology. p. 7. GEP. (Gépipari Tudományos Egyesület)
Budapest. Vol. 8, no. 1, Jan. 1956.

SOURCE: East European Accessions List (EEAL), Library of Congress
Vol. 5, no. 6, June 1956

CSONKA, P.

The buckling of a spheroidal shell curved in two directions. In English. p. 425
Vol. 14, no. 3/4, 1956 ACTA TECHNICA Budapest, Hungary

Source: East European Accession List. Library of Congress
Vol. 5, No. 8, August 1956

CSONKA P

...The current function of the program is to...

CSONKA, P.

Torsion of multichambered lattice columns. P. 201
KOZLEMENYEI Budapest, Vol. 18, no. 1/4, 1956

SOURCE: East European Accessions List (EEAL) Library of Congress
Vol. 5, no. 8, August 1956

shell with generator curves similar to cycloids and approximately
the size for flattened nontubed shells are presented.

CSONKA, P.

Displaying the strength of block stairsteps connected with grooves. p. 257.
Vol. 19, No. 1/3, 1956. KOZLEMENEI. Budapest, Hungary.

SOURCE: East European List, (EEL) Library of Congress Vol. 6, No. 1
January 1956.

CS ONKA P.

Saint-Venant's theory on pure torsion in linear elasticity
is also applicable to rods made of a material which does
not obey Hooke's law, but may likewise

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HUNGARY/Chemical Technology. Chemical Products and Their Applications. Food Industry. H

Abs Jour : Ref Zhur-Khimiya, No 6, 1959, 21454

Author : Eross, Gyulane; Csongrady, Zoltan

Inst : -

Title : Use of Triphenyltetrazole in the Microbiology of Milk.

Orig Pub : Tejipar, 1958, jan.-febr., 4-11

Abstract : A review is given. Bibliography, 18 titles.

Card : 1/1

4-134

CSONKA, Bela

Adapter for the URH receivers of CCIR standard and for the OIRT FM band reception. Radiotechnika 10 no.2:49-50 F '60.

CSONKA, Daniel

Correction of toothing of gears made through trimming.
Gep 14 no.8:310-315 Ag '62.

1. Budapesti Muszaki Egyetem Geplemek Tanszeke.

HUNGARY / Virology. Human and Animal Viruses. Influenza Virus. E

Abs Jour: Ref Zhur-Biol., No 2, 1959, 5332.

Author : Koch, A.; Csonka, E.
Inst : Hungarian Academy of Sciences.
Title : Effects of Formaldehyde on Influenza Virus.
I. Effects on the Hemagglutinating Activity of the Virus.

Orig Pub: Acta microbiol. Acad. sci. hung., 1957, 4, No 3, 357-361.

Abstract: The effects of temperature, pH and concentration of formaldehyde and virus upon the process of inactivation of hemagglutinating activity of the influenza virus type A' were studied. At 40, the inactivation proceeded slowly; it was accel-

Card 1/3

15

HUNGARY / Virology. Human and Animal Viruses. Influenza Virus. E

Abs Jour: Ref Zhur-Biol., No 2, 1959, 5332.

Abstract: created at 20° and set on rapidly at 37°. The increase of pH towards alkalinity (from 5.0 to 8.0) accelerated the inactivation process. At pH 8.0, the inactivation proceeded most rapidly. At pH 8.0 and 37°, the inactivation was not observed if the formaldehyde concentration was less than 0.1%. The fluctuations in the concentration of virus had no essential effect upon the time required for its complete inactivation. If during the first hours of inactivation a pH of 8.0 was decreased to 6.5, then the inactivation was inhibited and "reactivation" of a part of the apparently inactivated virus was also observed. At the same time, its ability for adsorption and elution was also preserved. If,

Card 2/3

KOCH, A.; GSONKA, E.

Effects of formaldehyde on influenza virus. II. Effects on the infectivity of the virus. Acta microb. hung. 5 no.3:311-316 1958.

1. State Institute of Hygiene, Budapest.

(INFLUENZA VIRUSES, eff. of drugs on
formaldehyde on infectivity of viruses, cond. & mode of in-
activation)

(FORMALDEHYDE, eff.
on infectivity of influenza viruses, cond. & mode of inac-
tivation)

CSONKA, E.; KOCH, A.

Effects of formaldehyde on influenza virus. III. Effects on the virus as an antigen. Acta microb. 9 no.1:89-96 '62.

1. State Institute of Hygiene, Budapest (Director: T. Bakacs).
(FORMALDEHYDE pharmacology) (INFLUENZA VIRUSES pharmacology)

CSONKA, Eva; RUZICKA, P.

Examination of the susceptibility to virus infection of hetero-
oid monkey-kidney cell strains. Acta microbiol. acad. sci.
Hung. 11 no.3:299-307 '64/65

1. State Institute of Hygiene (Director: T. Bakacs), Budapest.

CSONKA, Ferenc

With the glider "Siraly" over the Central Mountains of Erdely.
Repules 13 no.6:12 Je '60.

1. Aranykoszorus pilota.

CSONKA, Ferenc, repulo oktato

Some strength problems relating to cloud flight. Repules 17
no.4: 14-15 Ap'64

1. MAV repulo klub.

BALLO, Janos (Budapest); CSONKA, Kalman (Budapest); CSUHAI, Denes (Budapest)

Forum of innovators. Ujit lap 15 no.17:30 10 S '63.

CSONKA, Jozsef, foelcodo; VAVRO, Istvan, dr.

Some lessons from an investigation. Munka 14 no.8:16-17 Ag '64.

1. Division of Social Statistics, Central Statistical Office, Budapest (for Csonka). 2. Head, Division of Social Statistics, Central Statistical Office, Budapest (for Vavro).